

On page 5, line 34, please replace "Figure 6" with -Figures 6A through 6E-.

On page 5, line 35, please replace "Figure 1" with -Figures 1A through 1G-.

On page 6, line 1, please replace "Figure 7" with -Figures 7A through 7C-.

On page 6, line 22, please replace "Figure 9" with -Figures 9A and 9B-.

On page 6, line 28, please replace "A. Curves" with -Figure 9A shows curves-.

On page 7, line 1, please replace "B. Results" with -Figure 9B shows results-.

On page 7, line 13, please replace "Figure 10" with -Figures 10A and 10B-.

On page 8, line 5, please replace "Figure 12" with -Figures 12A through 12C-.

On page 8, line 16, please replace "(A) Adenylate Cyclase." with -Figure 12A shows the results of adenylate cyclase assays-.

On page 8, line 20, please replace "(B) Intracellular cAMP." with -Figure 12B shows the results of intracellular cAMP assays-.

On page 8, line 24, please replace "(C) Extracellular cAMP." with -Figure 12C shows the results of extracellular cAMP assays-.

On page 8, line 27, please replace "Figure 13" with -Figures 13A through 13C-.

On page 8, line 30, please replace "(A) Northern" with -Figure 13A shows the results of Northern-.

On page 8, line 33, please replace "(B) (1) Specific" with -Figure 13B-1 shows the results of specific-.

On page 9, line 5, please replace "(B) (2) Transformation" with -Figure 13B-2 shows the results of transformation-.

On page 9, line 9, please replace "(C) Displacement" with -Figure 13C shows the results of displacement-.

On page 9, line 19, please replace "Figure 14" with -Figures 14A through 14C-.

On page 9, line 23, please replace "(A) Inhibition" with -Figure 14A shows the results of assays showing inhibition-.

On page 9, line 30, please replace "(B) Inhibition" with -Figure 14B shows the results of assays showing inhibition-.

On page 9, line 35, please replace "(C) Inhibition" with -Figure 14C shows the results of assays showing inhibition-.

On page 10, line 4, please replace "Figure 15" with -Figures 15A and 15B-.

On page 10, line 7, please replace "(A) Basal" with -Figure 15A shows basal-.

On page 10, line 14, please replace "(B) VIP" with -Figure 15B shows VIP-.

On page 11, line 6, please replace "Figure 17" with -Figures 17A and 17B-.

On page 11, line 19, please replace "Figure 18" with -Figures 18A through 18J-.

On page 14, line 27, please replace "Figure 1" with -Figures 1A through 1G-.

On page 15, line 6, please replace "Figure 5" with -Figure 5A-.

On page 16, line 6, please replace "₂-adrenergic" with -- α_2 -adrenergic--.

On page 18, line 23, please replace "Figure 4a" with -Figure 4A-.

On page 18, line 36, please replace "Figures 4b, 4c" with -Figures 4B and 4C-.

On page 19, line 19, please replace "Figure 4c" with -Figure 4C-.

On page 19, line 33, please replace "Figure 4c" with -Figure 4C-.

On page 20, line 18, please replace "Figure 1" with -Figures 1A through 1G-.

On page 20, line 23, please replace "Figure 1" with -Figures 1A through 1G-.

On page 20, line 32, please replace "Figure 1" with -Figures 1A through 1G-.

On page 21, line 4, please replace "Figure 1" with -Figures 1A through 1G-.

On page 22, line 20, please replace "Figure 1" with -Figures 1A through 1G-.

On page 22, line 34, please replace "Figure 1" with -Figures 1A through 1G-.

On page 23, line 25, please replace "Figure 1" with -Figures 1A through 1G-.

On page 25, line 20, please replace "Figure 1" with -Figures 1A through 1G-.

On page 25, line 34, please replace "Figure 1" with -Figures 1A through 1G-.

On page 25, line 34, please replace "Figure 7" with -Figures 7A through 7C-.

On page 26, line 11, please replace "Figure 7" with -Figures 7A through 7C-.

On page 26, line 24, please replace "Figure 7" with -Figures 7A through 7C-.

On page 26, line 25, please replace "Figure 1" with -Figures 1A through 1G-.

On page 26, line 26, please replace "Figure 7" with -Figures 7A through 7C-.

On page 30, line 4, please replace "bonding" with -binding-.

On page 60, line 4, please replace "Figure 13" with -Figures 13A through 13C-.

On page 61, line 7, please replace "Figure 15" with -Figures 15A and 15B-.

On page 62, line 8, please replace "Figure 17" with -Figures 17A and 17B-.

On page 63, line 2, please replace "Figure 12" with -Figures 12A through 12C-.

On page 64, line 21, please replace "Figure 14" with -Figures 14A through 14C-.

On page 64, line 23, please replace "Figure 15" with -Figures 15A and 15B-.

On page 64, line 36, please replace "Figure 13" with -Figures 13A through 13C-.

On page 76, lines 25-26, please replace "Fig. 18" with -Figures 18A through 18J-.

On page 78, line 10, please replace "Fig. 21a" with -Fig. 21, line a-.

On page 78, line 18, please replace "Fig. 21b" with -Fig. 21, line b-.

On page 78, line 26, please replace "Fig. 21b" with -Fig. 21, line b-.

On page 76, line 29, please replace "Figs. 18" with -Figures 18A through 18J-.

On page 78, line 29, please replace "21c" with -Fig. 21, line c-.

If the Examiner in charge of this application believes it to be helpful, he or she is invited to contact the undersigned attorney by telephone at (312) 913-0001.

Respectfully submitted,

McDonnell Boehnen Hulbert & Berghoff

By:

Kevin E. Noonan, Ph.D.
Reg. No. 35,303

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